Sum and Average of Numbers

```
1  // Sum And Average Of Numbers Ifk
2
3  #include<iostream>
4
5  using namespace std;
6
7  int main()
8  {
9
10     int N;
11     cout << "How many numbers? : \n";
12     cin >> N;
13
14     double A[N];
15
16     for(int i = 0; i < N; i++)
17     {
18         cout << "Array[" << i << "] : \n";
19         cin >> A[i];
20     }
21
22     // Print array "A"
23
24     cout << endl;
25     cout << "You have entered following numbers." << endl;
26
27     for(int i = 0; i < N; i++)
28     {
29         cout << "A[" << i << "] : " << A[i] << endl;
30     }
31
32     // Sum and average
33
34     double sum = 0;
35     double avg = 0;
36
37     for(int i = 0; i < N; i++)
38     {
39         sum += A[i];
40     }
41
42     avg = sum / N;
43
44     cout << endl;
45     cout << "Sum : " << sum << endl;
46     cout << "Avg : " << avg << endl;
47
48     return 0;
49 }
```

Test Case 1

Input

```
4
10
20
-15
25
```

Output

```
How many numbers? :
Array[0] :
Array[1] :
Array[2] :
Array[3] :

You have entered following numbers.
A[0] : 10
A[1] : 20
A[2] : -15
A[3] : 25

Sum : 40
Avg : 10
```

Test Case 2

Input

```
10
-40
10
20
35
45
99
-125
47
88
23
```

Output

```
How many numbers? :
Array[0] :
Array[1] :
Array[2] :
Array[3] :
Array[4] :
Array[5] :
```

```
8   Array[6] :
9   Array[7] :
10  Array[8] :
11  Array[9] :
12
13  You have entered following numbers.
14  A[0] : -40
15  A[1] : 10
16  A[2] : 20
17  A[3] : 35
18  A[4] : 45
19  A[5] : 99
20  A[6] : -125
21  A[7] : 47
22  A[8] : 88
23  A[9] : 23
24
25  Sum : 202
26  Avg : 20.2
```